

# Permit to Operate

**FACILITY:** N-802

**EXPIRATION DATE:** 10/31/200

**LEGAL OWNER OR OPERATOR:** STOCKTON COGEN COMPANY

**MAILING ADDRESS:** 7201 HAMILTON BLVD  
ALLENTOWN, PA 18195

**FACILITY LOCATION:** 1010 ZEPHYR ST  
STOCKTON, CA 95206

**FACILITY DESCRIPTION:** ELECTRICAL POWER PLANT

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

**Seyed Sadredin**

Director of Permit Services

## Initial TV Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-802-0-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

## PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031]
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.6.2 and 1100, 7.0]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8]
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2]

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14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92). [District Rule 4601, 5.2]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92). [District Rule 4601, 6.1 and 6.2]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B]
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4 of Rule 8020 (4/25/96). [District Rule 8020]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4 of Rule 8030 (4/25/96). [District Rule 8030]

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33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4 of Rule 8060 (4/25/96). [District Rule 8060]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1]
38. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. On April 28, 2000, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-1-7

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

620 MMBTU/HR COAL FIRED CIRCULATING FLUIDIZED BED BOILER UTILIZING LIMESTONE INJECTION FOR SOX CONTROL, A THERMAL DENOX SYSTEM FOR NOX CONTROL, AND TWO CYCLONES VENTED TO A BAGHOUSE FOR PARTICULATE CONTROL. THIS BOILER SERVES AN ELECTRIC GENERATOR.

## **PERMIT UNIT REQUIREMENTS**

1. No air contaminant shall be discharged into the atmosphere that exhibit greater than 20% opacity (6 minute average), except for one 6 minute period per hour of not more than 27% opacity. [40 CFR 60.42a(b)], [Federally Enforceable Through Title V]
2. The flue gas from the combustor shall be vented through a baghouse at all times (including soot blowing periods). [District NSR Rule], [Federally Enforceable Through Title V]
3. The baghouse filtering media shall be fiberglass with a teflon B coating, or any other material that provides as good or better collection efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
4. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
5. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
6. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
7. The dry bulb temperature of the flue gas entering the baghouse shall be maintained at a minimum of 50 degrees Fahrenheit above the wet bulb temperature whenever the boiler is in operation, including the boiler start-up and shutdown. [District NSR Rule], [Federally Enforceable Through Title V]
8. A Thermal De-NOx system utilizing ammonia injection shall be incorporated. The ammonia shall be injected into the flue gas at a point where a temperature range of 1500-1700 degrees Fahrenheit can be maintained during normal operations. [District NSR Rule], [Federally Enforceable Through Title V]
9. The boiler may be fired on Utah Equivalent coal, Canadian coal, fluid coke, tire derived fuel, or delayed coke. [District NSR Rule], [Federally Enforceable Through Title V]
10. The amount of tire derived fuel used in the boiler shall not exceed 11% by weight of the total fuel used at any one time. [District NSR Rule], [Federally Enforceable Through Title V]
11. An ultimate analysis for each stock of fuel, except for tire derived fuel, received shall be maintained on the premises at all times and shall be made available for District inspection upon request. The analysis shall include the heating value, and the Sulfur and Nitrogen content. Stock of fuel shall be defined as follows: rail delivered fuels - fuel delivered in one unit train; truck delivered fuels - fuel delivered during one week. [District NSR Rule], [Federally Enforceable Through Title V]
12. Natural gas fired burners shall be used during start-up to reach solid fuel ignition temperature throughout the combustor before feeding any solid fuel. [District NSR Rule], [Federally Enforceable Through Title V]
13. The VOC emissions shall not exceed 1.86 pounds per hour. [District NSR Rule], [Federally Enforceable Through Title V]
14. The PM10 emissions shall not exceed 9.82 pounds per hour. [District NSR Rule], [Federally Enforceable Through Title V]
15. The NOx emissions shall not exceed 39 ppmv(wet) @ 13.6% CO2 (49.4 ppmv(dry) @ 3% O2) using a three hour averaging time. [District NSR Rule], [Federally Enforceable Through Title V]
16. The NOx concentration limitation of 39 ppmv(wet) @ 13.6% CO2 (49.4 ppmv(dry) @ 3% O2) shall not apply during start-up days. [District NSR Rule], [Federally Enforceable Through Title V]
17. The NOx emissions shall not exceed 54,180 pounds during the first calendar quarter, 54,782 pounds during the second calendar quarter, 55,384 pounds during the third calendar quarter, and 55,384 pounds during the fourth calendar quarter. [District NSR Rule], [Federally Enforceable Through Title V]

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18. The cumulative NOx emissions shall not exceed 219,730 pounds during any one year from both the fluidized bed boiler and the 178 MMBtu/hr boiler (N-802-9). [District NSR Rule], [Federally Enforceable Through Title V]
19. A record of the daily NOx emissions from the fluidized bed boiler shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
20. A record of the cumulative NOx emissions for the calendar year from both the fluidized bed boiler and the 178 MMBtu/hr boiler (N-802-9) shall be updated daily and kept on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
21. The CO emissions shall not exceed 21.56 pounds per hour. [District NSR Rule], [Federally Enforceable Through Title V]
22. The SOx emissions shall be the more restrictive of 59.17 pounds per hour as determined by an eight hour rolling average or a SOx removal efficiency of no less than 70% by weight using a three hour averaging time. [District NSR Rule], [Federally Enforceable Through Title V]
23. The bottom ash from the bed and the fly ash from the economizer and baghouse shall be transferred to the ash silo via a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
24. This boiler shall be in compliance with Title 40, Code of Federal Regulations, Part 60, Subparts A and Da: Standards of Performance for Electric Utility Steam Generating Units for Which Construction Is Commenced After September 18, 1978. [PSD, District Rule 4001, and District Rule 1080, 6.7], [Federally Enforceable Through Title V]
25. Source testing for NOx, CO, VOC, SOx, and PM10 emissions shall be conducted on an annual basis. [District Rule 4352, 6.3], [Federally Enforceable Through Title V]
26. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
27. Hourly emission rates for NOx, CO, VOC, SOx, and PM10 while source testing shall be calculated using the arithmetic mean of the test runs as outlined in District Rule 1081-"Source Sampling" section 6.0 (as amended 12/16/93). [District Rule 1081], [Federally Enforceable Through Title V]
28. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
29. Source testing to measure concentrations of oxides of nitrogen (as NO2) shall be conducted using EPA method 7E or CARB method 100. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
30. Source testing to measure concentrations of carbon monoxide (CO) shall be conducted using EPA method 10 or CARB method 100. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
31. Source testing to measure the stack gas oxygen (O2) shall be conducted using EPA methods 3 or 3A, or CARB method 100. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
32. Source testing to measure concentrations of volatile organic compounds (VOC) shall be conducted using EPA method 25A, CARB method 100, or SCAQMD method 25.2. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
33. Source testing to measure concentrations of oxides of sulfur (SOx) as SO2 shall be conducted using EPA methods 6, 8, CARB method 100, or SCAQMD 6.1. [40 CFR 60.46, (b)], [Federally Enforceable Through Title V]
34. Source testing to measure concentrations of PM10 shall be conducted using EPA method 201 and 202, EPA method 201a and 202, or CARB method 501 and 5, or SCAQMD Method 5.3 and 6.1. [40 CFR Subpart 51, Appendix M], [Federally Enforceable Through Title V]
35. Source testing to measure stack gas velocity and volumetric flow rate shall be conducted using EPA method 2 or CARB method 2. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
36. Source testing to measure the stack gas moisture content shall be conducted using EPA method 4 or CARB method 4. [District Rule 4352, 6.4.1], [Federally Enforceable Through Title V]
37. Results of continuous emissions monitoring must be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by mutual agreement with the District, the ARB, and the EPA. [Rule 108 (San Joaquin); District Rule 1080, 7.2], [Federally Enforceable Through Title V]
38. Sulfur compound emission shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]
39. Particulate Matter emission shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
40. NOx emissions shall not exceed 0.20 lb/MMBtu of heat input. [District Rule 4352, 5.1], [Federally Enforceable Through Title V]
41. CO emissions at dry stack gas conditions shall not exceed 400 ppmv @ 3% O2, or 310 ppmv @ 7% O2, or 310 ppmv @ 12% CO2 in accordance with EPA Method 19. [District Rule 4352, 5.3 and 5.4], [Federally Enforceable Through Title V]

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42. The following pollutant emission levels shall not be exceeded: 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide (SO<sub>2</sub>); 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide (NO<sub>2</sub>); and ten (10) pounds per hour of PM. [District Rule 4301, 5.2], [Federally Enforceable Through Title V]
43. The exhaust stack shall be equipped with continuous monitors/recorders for opacity, SO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub>, & stack gas flow rate. The continuous emissions monitors shall meet the performance specifications in 40 CFR 60.13; 40 CFR 52, Appendix E; 40 CFR Part 51, Appendix P; 40 CFR Part 60, Appendix B; Relative Accuracy Audit of Appendix F or equivalent specification established by mutual agreement of the District, the ARB and the EPA. The sampling, analyzing and recording cycle shall be completed every successive 15 minute period. [District Rule 1080; 40 CFR 60.47a; and PSD], [Federally Enforceable Through Title V]
44. Records shall be maintained and shall contain: the occurrence and duration of any start-up, shutdown, performance testing, evaluations, calibrations, checks, adjustments, any periods during which a continuous monitoring system or monitoring device is inoperative, maintenance of any CEM's that have been installed pursuant to District Rule 1080, and emission measurements. [Rule 108 (San Joaquin); District Rule 1080, 7.3; 40 CFR 60.7 (b)], [Federally Enforceable Through Title V]
45. Operators of CEM's installed at the direction of the APCO shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include: A. time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; B. averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; C. applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and the nature of system repairs and adjustments; D. a negative declaration when no excess emissions occurred. [Rule 108 (San Joaquin) and District Rule 1080, 8.0], [Federally Enforceable Through Title V]
46. A violation of NO<sub>x</sub> emission standards indicated by the NO<sub>x</sub> CEM shall be reported by the operator to the APCO within 96 hours. [Rule 108 San Joaquin) and District Rule 1080, 9.0], [Federally Enforceable Through Title V]
47. Operator shall notify the APCO no later than eight hours after the detection of a breakdown of the CEM. Operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [Rule 108 (San Joaquin) and District Rule 1080, 10.0], [Federally Enforceable Through Title V]
48. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
49. The owner/operator shall maintain an operating log that includes the type and quantity of fuel used and the hhv of each fuel as determined by District Rule 4352, section 6.4 (as amended 10/19/95), or as certified by a third party fuel supplier. [District Rule 4352, 6.2], [Federally Enforceable Through Title V]
50. All correspondence as required by this permit shall be forwarded to: a) Director, Enforcement Div (Attn: A-5), EPA Region IX, 75 Hawthorne Street, San Francisco, CA, 94105; b) Chief, Stationary Source Control Division, California Air Resource Board, P.O. Box 2815, Sacramento, CA, 95814; c) Director, SJVUAPCD, 1990 East Gettysburg, Fresno, CA, 93726-0244 [PSD], [Federally Enforceable Through Title V]
51. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]
52. As-fired fuel monitoring under 60.47a(b)(3) may use the following definitions of fuel lot size: for rail delivered fuels- the quantity of each type of fuel delivered in one unit train; for truck delivered fuels - the quantity of each type of fuel delivered during one week. As-fired fuel samples for unit train deliveries may be taken as the unit train is loaded by the fuel supplier. [40 CFR 60.47a(b)(3)], [Federally Enforceable Through Title V]
53. The owner/operator shall continuously operate and maintain limestone injection for control of SO<sub>2</sub> emission and low bed temperature, staged combustion, and selective non-catalytic reduction for control of NO<sub>x</sub> emissions. [PSD], [Federally Enforceable Through Title V]
54. A minimum SO<sub>2</sub> removal efficiency of 70% shall be maintained at all times. [PSD], [Federally Enforceable Through Title V]
55. The owner/operator shall conduct SO<sub>2</sub> and NO<sub>x</sub> performance tests at least annually and at the maximum operating capacity of the facility being tested. [PSD], [Federally Enforceable Through Title V]
56. The owner/operator shall furnish the SJVUAPCD and the EPA a written report of the results of the SO<sub>2</sub> and NO<sub>x</sub> performance tests. [PSD], [Federally Enforceable Through Title V]
57. Performance tests for the emissions of SO<sub>2</sub> and NO<sub>x</sub> shall be conducted and reported in accordance with 40 CFR 60, Part 60.8 and Appendix A. Performance tests for emissions of SO<sub>2</sub> shall be conducted using EPA Methods 1-4 and 8. Performance tests for emissions of NO<sub>x</sub> shall be conducted using EPA Methods 1-4 and 7. In lieu of the above mentioned tests methods, equivalent methods may be used with prior written approval from the EPA. [PSD], [Federally Enforceable Through Title V]
58. The EPA shall be notified in writing at least 30 days prior to performance tests for emissions of SO<sub>2</sub> and NO<sub>x</sub>. [PSD], [Federally Enforceable Through Title V]

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59. Sampling ports, platforms, and access shall be provided on the combustion exhaust system in accordance with 40 CFR 60.8(e) [PSD], [Federally Enforceable Through Title V]
60. There shall be no discharge of SO<sub>2</sub> in excess of 59 lbs/hr (8-hour average) or 100 lbs/hr (3-hour average) from the stack venting from the combustion unit. [PSD], [Federally Enforceable Through Title V]
61. There shall be no discharge of NO<sub>2</sub> in excess of 42 lbs/hr or 50 ppm at 3% O<sub>2</sub> (3-hour average) from the stack venting from the fluidized bed combustion unit. [PSD], [Federally Enforceable Through Title V]
62. Total NO<sub>x</sub> emitted in any 90 day period shall not exceed 64,980 lbs (rolling 90-day average). [PSD], [Federally Enforceable Through Title V]
63. Natural gas shall only be used as an auxiliary fuel source for the facility during startup to raise the temperature of the fluidized bed to the solid fuel ignition point before feeding any solid fuel. [PSD], [Federally Enforceable Through Title V]
64. The owner/operator shall record and maintain records of the hours of operation and the amounts and types of fuel fired for each occurrence. [PSD], [Federally Enforceable Through Title V]
65. The owner/operator shall maintain a file of all measurements, including continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. [PSD], [Federally Enforceable Through Title V]
66. The owner/operator shall submit a written report of all excess emissions to EPA for every calendar quarter. The report shall include the following: a) the magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions; b) specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the fluidized bed combustion unit. The nature and cause of any malfunction (if known) and the corrective action taken or preventive measures adopted shall also be reported; c) the date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; d) when no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report; e) excess emissions shall be defined as any three-hour, or 90 day period during which the average emissions of NO<sub>x</sub> and/or SO<sub>2</sub>, as measured by the continuous monitoring system, exceeds the NO<sub>x</sub> and/or SO<sub>2</sub> maximum emission limits set for each of the pollutants; f) excess emissions indicated by the CEM system shall be considered violations of the applicable emission limits for the purposes of the permit except for the NO<sub>x</sub> emission limit during normal facility startup; g) during a normal facility startup, excess NO<sub>x</sub> emissions shall not be considered a PSD permit violation provided the 90-day rolling average remains below 64,980 lbs. [PSD], [Federally Enforceable Through Title V]
67. The 90 day total NO<sub>x</sub> emissions shall be calculated as a running hourly total of all NO<sub>x</sub> emissions. NO<sub>x</sub> emissions during periods when the NO<sub>x</sub> continuous emission monitor is inoperative shall be assumed to be 42 lbs/hr. [PSD], [Federally Enforceable Through Title V]
68. All equipment, facilities, and systems installed or used to achieve compliance with the terms and conditions of this permit shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions. [PSD], [Federally Enforceable Through Title V]
69. The Regional Administrator shall be notified by telephone within 48 hours following any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in this permit. In addition, the Regional Administrator shall be notified in writing within 15 days of any such failure [PSD], [Federally Enforceable Through Title V]
70. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under the conditions of this permit, and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause. [PSD], [Federally Enforceable Through Title V]
71. The owner and operator of the proposed project shall construct and operate the proposed stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations. [PSD], [Federally Enforceable Through Title V]



**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-2-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**  
BOTTOM ASH STORAGE AND LOADOUT

## PERMIT UNIT REQUIREMENTS

1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
3. The bottom ash from the boiler shall be transferred into the storage silo only through a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
4. Bottom ash shall be loaded into outgoing trucks through a telescopic spout. The emissions at the loadout point shall be vented through a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
5. The ash storage silo shall be totally air tight and only vented through a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
6. The baghouse shall have a maximum air to cloth ratio of 3.12:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
8. Particulate matter emissions from the baghouse shall not exceed 1.1 pounds during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
9. A minimum of 10 percent (by weight) of water shall be added uniformly to the outgoing ash before loading into trucks. [District NSR Rule], [Federally Enforceable Through Title V]
10. A test shall be conducted upon District request to document the moisture content of the ash. [District NSR Rule], [Federally Enforceable Through Title V]
11. Required testing shall be conducted no later than 30 days following a request by the District and shall be conducted according to methods approved by the District. [District NSR Rule], [Federally Enforceable Through Title V]
12. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
13. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Visible emissions from the baghouse shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-3-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**  
LIMESTONE RECEIVING AND STORAGE

## **PERMIT UNIT REQUIREMENTS**

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
2. Limestone shall be received through direct coupled pneumatic unloading trucks. [District NSR Rule], [Federally Enforceable Through Title V]
3. The pneumatic transfer components and connections shall be totally air tight. [District NSR Rule], [Federally Enforceable Through Title V]
4. The storage silo shall be totally air tight and vented only through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
5. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
6. There shall be no visible emissions from the vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
7. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
8. Limestone shall be transferred to the boiler only through a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
9. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
10. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Visible emissions from the vent filter shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-4-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

400 TPH: BELT CONVEYOR #1 AND EN-MASSE CONVEYER #2.

## **PERMIT UNIT REQUIREMENTS**

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1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
  3. All transfer points shall be totally enclosed and shall be vented to a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The belt conveyor shall be covered. [District NSR Rule], [Federally Enforceable Through Title V]
  5. There shall be no visible emissions from the baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
  6. The baghouse shall have a maximum air cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
  7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
  8. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  9. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  11. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  12. Visible emissions from the baghouse shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-5-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

LIVE STORAGE SILO #1: 3000 TON

## **PERMIT UNIT REQUIREMENTS**

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
2. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
3. Each vent filter shall have a maximum air to cloth ratio 5:1 and shall be equipped with automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
4. There shall be no visible emissions from the vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
5. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
6. Coke shall be transferred to the plant silos only via totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
7. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
8. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Visible emissions from the vent filter shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-6-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

125 TPH COAL CRUSHER, BELT CONVEYOR #3 WITH EN-MASSSED CONVEYER #5.

## **PERMIT UNIT REQUIREMENTS**

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1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
  3. All transfer points shall be totally enclosed and shall be vented to a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The belt conveyor shall be covered. [District NSR Rule], [Federally Enforceable Through Title V]
  5. There shall be no visible emissions from the baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
  6. The baghouse shall have a maximum air cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
  7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
  8. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  9. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  11. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  12. Visible emissions from the baghouse shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-7-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**  
PLANT SILO #1: 660 TON

## **PERMIT UNIT REQUIREMENTS**

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1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Each vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
  3. There shall be no visible emissions from the vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
  5. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
  6. The solid fuel from the silo shall be transferred to the boiler only through a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
  7. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  8. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  9. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  11. Visible emissions from the vent filter shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-8-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

FLY ASH STORAGE, LOADOUT SYSTEM AND A DRY LOADOUT SYSTEM (SEPARATE VENT FILTER).

## **PERMIT UNIT REQUIREMENTS**

1. The fly ash from the baghouse and the economizer shall be transferred into storage silos only through a totally airtight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
2. Ash shall be loaded into outgoing trucks through either a wet rotary ash load-out system or a telescopic spout. If the telescopic spout is used, the emissions at the loadout point shall be vented through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
3. A minimum of 10 percent (by weight) of water shall be added uniformly to the outgoing ash before loading into the trucks via the wet rotary ash loadout system. [District NSR Rule], [Federally Enforceable Through Title V]
4. A test shall be conducted upon request by the District to document the moisture content of the ash. [District NSR Rule], [Federally Enforceable Through Title V]
5. The test shall be conducted no later than 30 days following a request by the District and shall be conducted according to methods approved by the District. [District Rule 4201], [Federally Enforceable Through Title V]
6. The ash storage silo shall be totally air tight and only vented through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
7. The vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
8. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
9. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
10. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
11. PM10 emissions from the vent filter shall not exceed 3.3 pounds in any one day. [District NSR Rule], [Federally Enforceable Through Title V]
12. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
13. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Visible emissions from the vent filter shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

## Initial TV Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-802-9-4

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

ZURN 178 MMBTU/HR AUXILIARY BOILER (MODEL 22M KEYSTONE)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf at operating conditions, or 0.1 grain/dscf calculated to 12% CO<sub>2</sub> or 10 lb/hr. [District Rule 4201 and District Rule 4301, 5.1 and 5.2.3], [Federally Enforceable Through Title V]
2. Nitrogen oxide (NO<sub>x</sub>) emissions shall not exceed: A. 0.036 lb NO<sub>x</sub>/MMBtu or 30 ppmv when operated on gaseous fuel fired boilers and steam generators. B. 0.052 lb NO<sub>x</sub>/MMBtu or 40 ppmv when operated on liquid fuel fired boilers and steam generators. C. Lower NO<sub>x</sub> limit of the two fuels being fired simultaneously for dual fired units. [District Rule 4351, 5.2.2.1 and 5.2.2.2 and /or District Rule 4305, 5.1.1 and 5.1.2 and the subsumed District Rule 4301 and County Rule 408 (San Joaquin)], [Federally Enforceable Through Title V]
3. NO<sub>x</sub> requirements shall not apply during natural gas curtailments to units burning liquid fuel that are normally fired with gaseous fuel. This exemption is limited to 336 cumulative hours of operation per calendar year excluding equipment testing not to exceed 48 hours per calendar year. Any unit so exempted shall monitor and record for each unit the cumulative annual hours of operation on each liquid during curtailment and during testing. [District Rule 4305, 4.2 & 6.1.1 and /or District Rule 4351, 4.2 & 6.1.2], [Federally Enforceable Through Title V]
4. Operator shall ensure that all required source testing conforms to the compliance testing procedures described in District Rule 1081. [District Rule 1081, and County Rule 108.1 (San Joaquin)], [Federally Enforceable Through Title V]
5. Operator shall provide that fuel hhv be certified by third party fuel supplier or determined annually by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2; 4305, 6.2.1; and 4351, 6.2.1], [Federally Enforceable Through Title V]
6. The boiler may only be fired on natural gas or fuel oil #2. [District NSR Rule], [Federally Enforceable Through Title V]
7. Fuel oil #2 can only be used when the fluidized bed boiler is not in operation. [District NSR Rule], [Federally Enforceable Through Title V]
8. Fuel oil #2 shall only be used during a natural gas curtailment for a period not to exceed 336 cumulative hours during any one calendar year plus 48 cumulative hours during any one calendar year for equipment testing. [District Rule 4305], [Federally Enforceable Through Title V]
9. The amount of fuel used in the boiler shall not exceed 155,928 MMBtu per year. [District Rule 4001, 40 CFR PART 60, Subpart Db], [Federally Enforceable Through Title V]
10. The amount of fuel used in the boiler when operated simultaneously with the fluidized bed boiler shall not exceed 878.4 MMBtu/day. [District NSR Rule], [Federally Enforceable Through Title V]
11. The NO<sub>x</sub> emissions concentration shall not exceed 30 ppmvd @ 3% O<sub>2</sub> or 0.036 lbs/MMBtu when fired on natural gas. The source test plan shall identify which basis will be used. [District Rule 4305, 5.1.1, 5.1.2 and County Rule (San Joaquin) 408], [Federally Enforceable Through Title V]
12. The cumulative NO<sub>x</sub> emissions shall not exceed 219,730 pounds during any one year from both the fluidized bed boiler (N-802-1) and this boiler. [District NSR Rule], [Federally Enforceable Through Title V]
13. A record of the daily NO<sub>x</sub> emissions shall be maintained on the premises at all times. [District NSR Rule], [Federally Enforceable Through Title V]
14. A record of the cumulative NO<sub>x</sub> emissions for the calendar year from both the fluidized bed boiler (N-802-1) and this boiler shall be updated daily and kept on the premises at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. The CO emissions concentration shall not exceed 50 ppmvd @ 3% O<sub>2</sub> when fired on natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
16. The VOC emissions concentration shall not exceed 10 ppmvd @ 3% O<sub>2</sub> when fired on natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
17. The PM<sub>10</sub> emissions concentration shall not exceed 0.005 lbs/MMBtu when fired on natural gas. [District NSR Rule], [Federally Enforceable Through Title V]
18. The SO<sub>x</sub> emissions concentration shall not exceed 0.0006 lbs/MMBtu when fired on natural gas. [District NSR Rule], [Federally Enforceable Through Title V]



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19. The sulfur content of the fuel oil shall not exceed 0.2% by weight. [County Rule 407 (San Joaquin)], [Federally Enforceable Through Title V]
20. An up to date fuel oil analysis indicating the sulfur content by weight shall be maintained on the premise at all times. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
21. When firing on fuel oil #2, emissions shall not exceed the following limits: 28.5 lb NOx/hr, 36.9 lb SOx/hr, 10.0 lb CO/hr, 8.1 lb VOC/hr, 4.5 lb PM10/hr. [District NSR Rule], [Federally Enforceable Through Title V]
22. Source testing for NOx and CO emissions when fired on natural gas shall be conducted as required by Rule 4305 (as amended 12/19/96) - "Boilers, Steam Generators, and Process Heaters". [District Rule 4305; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
25. Source testing to measure concentrations of oxides of nitrogen (as NO2) shall be conducted using EPA method 7E or CARB method 100. [District Rule 4305, 6.2.2 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
26. Source testing to measure concentrations of carbon monoxide (as CO) shall be conducted using EPA method 10 or CARB method 100. [District Rule 4305, 6.2.3 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. Source testing to measure the stack gas oxygen shall be conducted using EPA methods 3 or 3A, or CARB method 100. [District Rule 4305, 6.2.4 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
28. Fuel flow meters dedicated to this boiler for each type of fuel used shall be utilized to monitor the quantity of fuel burned by the boiler. [District NSR Rule], [Federally Enforceable Through Title V]
29. Daily records of the natural gas usage shall be kept. [District Rule 4305, 6.0 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
30. Daily records of the fuel oil #2 usage and cumulative hours of operation when using fuel oil #2 during any one calendar year shall be kept. [District Rule 4305; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
31. Fuel usage records for each type of fuel used shall be retained on the premises for a period of at least five years and shall be made available for District inspection upon request. [District Rules 2520, 9.5.2 and 4305, 6.1], [Federally Enforceable Through Title V]
32. The acceptable settings for the flue gas recirculation system valve shall be established by testing the emissions from this unit or other representative units as approved by the District. The acceptable settings shall be those for which compliance with the applicable NOx and CO emission rates have been demonstrated by source testing. [District Rule 4305 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
33. The flue gas recirculation valve settings shall be inspected at least on a weekly basis. [District Rule 4305; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
34. The permittee shall maintain records of the date and time of the flue gas recirculation valve settings inspection, and the observed setting. The records must also include a description of any corrective action taken to maintain the flue gas recirculation valve setting to within the acceptable range. These records shall be retained at the facility for a period of no less than 5 years and shall be made available for District inspection upon request. [District Rule 2520, 9.5.2; District Rule 4305], [Federally Enforceable Through Title V]
35. If the flue gas recirculation valve settings deviate from the acceptable range, the permittee shall notify the District and take corrective action within one (1) hour after detection. If the flue gas recirculation valve settings are not corrected promptly, the permittee shall conduct an emissions test within 60 days, utilizing District approved source test methods to demonstrate compliance with the applicable emission limits at the observed flue gas recirculation valve settings. [District Rule 4305; District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
36. If the unit is fired on noncertified diesel fuel, then the sulfur content of the fuel being fired in the unit shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
37. Source tests shall be performed not less than once every 36 months, if compliance is shown for 2 consecutive years. If a test shows noncompliance, the source shall return to annual source testing until compliance is again shown for two consecutive years. [District Rule 4305, 6.2.2; District Rule 4351, 6.2.2], [Federally Enforceable Through Title V]
38. If the unit is fired on noncertified diesel fuel, the sulfur content of each fuel source shall be tested weekly, except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be semi-annually. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
39. Operator of units simultaneously firing gaseous and liquid fuels shall install and maintain totalizing mass or volumetric flow rate meters in each fuel line to each unit. Volumetric flow rate meters shall be installed in conjunction with temperature and pressure measurement devices. [District Rule 4305, 5.4.1], [Federally Enforceable Through Title V]

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40. Total NOx emissions from this boiler and the fluidized bed boiler (N-802-1) shall not exceed 42 lbs/hr (3-hour rolling average). [PSD], [Federally Enforceable Through Title V]
41. Total NOx emissions from this boiler and the fluidized bed boiler (N-802-1) in any 90-day period shall not exceed 64,980 lbs (running 90-day total). [PSD], [Federally Enforceable Through Title V]
42. This unit may be operated simultaneously with the circulating fluidized bed combustor (CFBC) (N-802-1) only if the following are met: a) this unit may not fire at a rate greater than 36.6 MMBtu/hr unless operation is due to a CFBC startup or shutdown period of less than 16 hours duration or operation is due to emissions tests with less than 10 hours duration required by the EPA, CARB, or local Air Pollution Control Agency; b) The total annual heat input to the auxiliary boiler shall not exceed 155,928 MMBtu (10% annual capacity); and c) this unit shall not be fired on oil except for a startup or shutdown period of less than 16-hour duration. [PSD], [Federally Enforceable Through Title V]
43. The owner or operator shall record and maintain records of the hours of operation and the amounts and types of fuel fired for each occurrence. [PSD], [Federally Enforceable Through Title V]
44. Hourly NOx emissions shall be calculated as the product of the hourly heat input and the maximum allowable NOx emissions rate. [PSD], [Federally Enforceable Through Title V]
45. The owner/operator shall maintain a file of all measurements, including continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. [PSD], [Federally Enforceable Through Title V]
46. This boiler shall be in compliance with Title 40, Code of Federal Regulations, Part 60, Subparts A and Db. [PSD], [Federally Enforceable Through Title V]
47. All equipment, facilities, and systems installed or used to achieve compliance with the terms and conditions of this permit shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions [PSD], [Federally Enforceable Through Title V]
48. The Regional Administrator shall be notified by telephone within 48 hours following any failure of air pollution control equipment, process equipment, or of a process to operate in a normal manner which results in an increase in emissions above any allowable emissions limit stated in this permit. In addition, the Regional Administrator shall be notified in writing within 15 days of any such failure [PSD], [Federally Enforceable Through Title V]
49. This notification shall include a description of the malfunctioning equipment or abnormal operation, the date of initial failure, the period of time over which emissions were increased due to the failure, the cause of the failure, the estimated resultant emissions in excess of those allowed under the conditions of this permit, and the methods utilized to restore normal operations. Compliance with this malfunction notification provision shall not excuse or otherwise constitute a defense to any violations of this permit or of any law or regulations which such malfunction may cause. [PSD], [Federally Enforceable Through Title V]
50. The owner and operator shall operate the stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable Federal, State and local air quality regulations. [PSD], [Federally Enforceable Through Title V]
51. All correspondence as required by this permit shall be forwarded to: a) Director, Enforcement Div (Attn: A-5), EPA Region IX, 75 Hawthorne Street, San Francisco, CA, 94105; b) Chief, Stationary Source Control Division, California Air Resource Board, P.O. Box 2815, Sacramento, CA, 95814; c) Director, SJVUAPCD, 1990 East Gettysburg, Fresno, CA, 93726-0244. [PSD], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-10-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**  
COAL/DELAYED COKE RECEIVING SYSTEM

## **PERMIT UNIT REQUIREMENTS**

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1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
  3. The fuel unloading facility shall be equipped with electrically operated roll-up doors at the entry and exit to provide total enclosure. All fugitive emissions shall be vented through a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The baghouse shall have a maximum effective air to cloth ratio of 5:1 and shall be equipped with automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
  5. There shall be no visible emissions from the baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
  6. Coal and delayed coke shall be received only via bottom unloading trucks or railcars. [District NSR Rule], [Federally Enforceable Through Title V]
  7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
  8. The particulate matter emissions from the baghouse serving the coal/delayed coke unloading facility shall not exceed 0.3 pounds per day and there shall be no visible emissions from the coal/delay coke unloading building. [District NSR Rule], [Federally Enforceable Through Title V]
  9. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  10. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  11. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  12. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  13. Visible emissions from the baghouse shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  14. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-11-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**  
STORAGE SILO #2: 3000 TON.

## **PERMIT UNIT REQUIREMENTS**

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
2. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
3. Each vent filter shall have a maximum air to cloth ratio 5:1 and shall be equipped with automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
4. There shall be no visible emissions from the vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
5. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
6. Coke shall be transferred to the plant silos only via a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
7. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
8. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Visible emissions from the vent filter shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-12-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

125 TPH BELT CONVEYOR #4 SERVED BY THE 125 TPH GRINDER (N-802-6) AND BY THE TIRE DERIVED FUEL (TDF) HANDLING EQUIPMENT (N-802-17) VENTED TO BAGHOUSE DC-3.

## **PERMIT UNIT REQUIREMENTS**

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1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
  3. All transfer points shall be totally enclosed and shall be vented to a baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The belt conveyor shall be covered. [District NSR Rule], [Federally Enforceable Through Title V]
  5. Visible emissions from the dust collector shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule], [Federally Enforceable Through Title V]
  6. The baghouse shall have a maximum air cloth ratio of 5:1 and shall be equipped with an automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
  7. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
  8. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  9. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  11. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  12. Visible emissions from the baghouse shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  13. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E = 3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E = 17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-13-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**  
SILO #2: 660 TON

## **PERMIT UNIT REQUIREMENTS**

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1. Each silo shall be totally enclosed and vented only through a vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
  2. Each vent filter shall have a maximum air to cloth ratio of 5:1 and shall be equipped with automatic pulse jet cleaning mechanism. [District NSR Rule], [Federally Enforceable Through Title V]
  3. There shall be no visible emissions from the vent filter. [District NSR Rule], [Federally Enforceable Through Title V]
  4. The vent filter shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times. [District NSR Rule], [Federally Enforceable Through Title V]
  5. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
  6. The solid fuel from the silo shall be transferred to the boiler only through a totally air tight pneumatic transfer system. [District NSR Rule], [Federally Enforceable Through Title V]
  7. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  8. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  9. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  11. Visible emissions from the vent filter shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  12. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-14-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

FLUID PETROLEUM COKE STORAGE AND HANDLING SYSTEM WITH A 600 TON STORAGE SILO VENTED TO A FLEX-KLEEN WSTS-81 PULSE JET BAGHOUSE

**PERMIT UNIT REQUIREMENTS**

1. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
3. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
4. There shall be no visible emissions from the baghouse. [District NSR Rule], [Federally Enforceable Through Title V]
5. All equipment of this operation shall be maintained dust tight. [District NSR Rule], [Federally Enforceable Through Title V]
6. The PM10 emission concentration shall not exceed 0.0004 lbs/ton of material received. [District NSR Rule], [Federally Enforceable Through Title V]
7. The maximum amount of fluid coke received during any one day shall not exceed 864 tons. [District NSR Rule], [Federally Enforceable Through Title V]
8. Records shall be kept indicating the amount of fluid coke received and the date received. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070 and 2520], [Federally Enforceable Through Title V]
10. Particulate Matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
11. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Visible emissions from the vent filter shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-15-0

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

ZURN 28.85 MMBTU/HR BOILER (MODEL 30,000-350) EQUIPPED WITH A ZURN ERIE CITY NATURAL GAS FIRED BURNER

**PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
  2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
  3. Source testing to demonstrate compliance with NO<sub>x</sub> and CO limitations shall be conducted within 90 days of initial start-up and as required by Section 6.3 of Rule 4305: Boilers, Steam Generators, and Process Heaters thereafter. [ ]
  4. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081]
  5. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
  6. The NO<sub>x</sub> emissions shall not exceed 0.0365 pounds per MMBtu of heat input. [ ]
  7. The CO emissions shall not exceed 0.148 pounds per MMBtu of heat input. [ ]
  8. The VOC emissions shall not exceed 0.008 pounds per MMBtu of heat input. [ ]
  9. The SO<sub>x</sub> emissions shall not exceed 6.0e-04 pounds per MMBtu of heat input. [ ]
  10. The PM<sub>10</sub> emissions shall not exceed 0.014 pounds per MMBtu of heat input. [ ]
  11. This unit may only be operated while the emission unit operating under Permit to Operate N-802-1-0 is not operating. [ ]
  12. While this unit is operating, the emission unit operating under Permit to Operate N-802-9-0 may only be fired on natural gas. [ ]
  13. A daily record of the hours of operation shall be maintained on the premises at all times. [ ]
  14. All records shall be retained for a minimum of 2 years, and shall be made available for District inspection upon request. [District Rule 1070]



## Initial TV Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-802-16-1

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

FOUR CELL MECHANICAL DRAFT COOLING TOWER WITH A CIRCULATION RATE OF 25,000 GPM.

## PERMIT UNIT REQUIREMENTS

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1. No hexavalent chromium containing compounds shall be added to the cooling tower circulating water. [District Rule 7012, 5.2.1]
2. A list of materials added to the cooling tower and their Material Safety Data Sheets (MSDS) shall be kept and made available for District inspection upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-17-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

TIRE DERIVED FUEL (TDF) AND DELAYED COKE RECEIVING AND HANDLING SYSTEM CONSISTING OF THREE COVERED RECEIVING BINS SERVING THREE WALKING FLOOR COVERED TRAILERS AND TWO COVERED TROUGH CONVEYORS SERVING THE EXISTING #4 ENCLOSED SOLID FUEL CONVEYOR.

## **PERMIT UNIT REQUIREMENTS**

1. All conveyors, receiving bins, and walking floor trailers shall be covered or enclosed. [District NSR Rule], [Federally Enforceable Through Title V]
2. The amount of tire derived fuel received and handled shall not exceed 264 tons during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
3. The PM10 emissions from the tire derived fuel unloading and conveying to conveyor #4 shall not exceed 6.0E-4 pounds per ton of tire derived fuel received. [District NSR Rule], [Federally Enforceable Through Title V]
4. The amount of delayed coke fuel received and handled shall not exceed 150 tons during any one day. [District NSR Rule], [Federally Enforceable Through Title V]
5. The PM10 emissions from the delayed coke unloading and conveying to conveyor #4 shall not exceed 0.002 pounds per ton of delayed coke received. [District NSR Rule], [Federally Enforceable Through Title V]
6. Daily records shall be kept and maintained on the premises indicating the amount of tire derived fuel and delayed coke received. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. The unit shall be inspected annually for visible emissions during operation. If any visible emissions are observed, corrective action shall be taken. The results of inspection shall be kept in a record and shall be made available to the District upon request. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Particulate matter emissions shall not exceed the hourly rate as calculated in District Rule 4202 (as amended 12/17/92) using the equation  $E=3.59 \times P^{0.62}$  if P is less than or equal to 30 tons per hour, or  $E=17.37 \times P^{0.16}$  if P is greater than 30 tons per hour. [District Rule 4202], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** N-802-18-2

**EXPIRATION DATE:** 10/31/2004

**EQUIPMENT DESCRIPTION:**

COAL TRUCK LOADOUT SYSTEM CONSISTING OF TWO FEEDERS EACH SERVED BY THE 3000 TON LIVE STORAGE SILOS, 200 TPH TRANSFER CONVEYOR #8, 200 TON TRUCK LOADOUT CONVEYOR, AND A TRUCK LOADING CHUTE AND SHROUD SYSTEM ALL VENTED TO A PULSE JET BAGHOUSE (DC-2).

## **PERMIT UNIT REQUIREMENTS**

1. The two feeders are served by two 3,000 ton storage silos (N-802-5 and N-802-11). The Mikro Pulseaire model 2215-10.40-TRH baghouse (DC-2) served by the truck loadout system is also served by the two 3,000 ton storage silos (N-802-5 and N-802-11), and belt conveyor #1 and en-masse conveyer #2 (N-802-4). [District NSR Rule], [Federally Enforceable Through Title V]
2. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule], [Federally Enforceable Through Title V]
3. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule], [Federally Enforceable Through Title V]
4. Material removed from the baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
5. The cleaning frequency and duration of the baghouse shall be adjusted to optimize the control efficiency. [District NSR Rule], [Federally Enforceable Through Title V]
6. Visible emissions from the baghouse shall not exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District NSR Rule], [Federally Enforceable Through Title V]
7. The quantity of material loaded out shall not exceed 1,250 tons per day. [District NSR Rule], [Federally Enforceable Through Title V]
8. The PM10 emissions shall not exceed 3.7E-4 pounds per ton of material loaded out. [District NSR Rule], [Federally Enforceable Through Title V]
9. A daily log shall be maintained on the premises indicating the amount of material loaded out. [District NSR Rule], [Federally Enforceable Through Title V]
10. Dust collection system shall be inspected annually while in operation for evidence of particulate matter breakthrough and repaired as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Dust collector filters shall be inspected annually while not in operation for tears, scuffs, abrasions, or holes which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Records of dust collector maintenance, inspections, and repairs shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Visible emissions from the baghouse shall be checked quarterly. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## Initial TV Permit